

FIG. 7

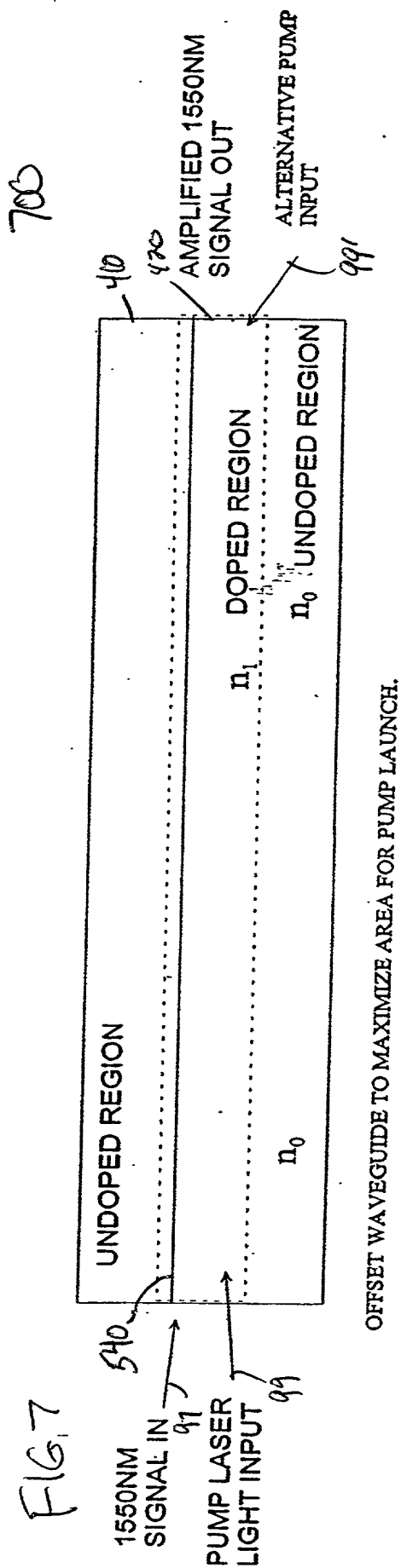


FIG. 8

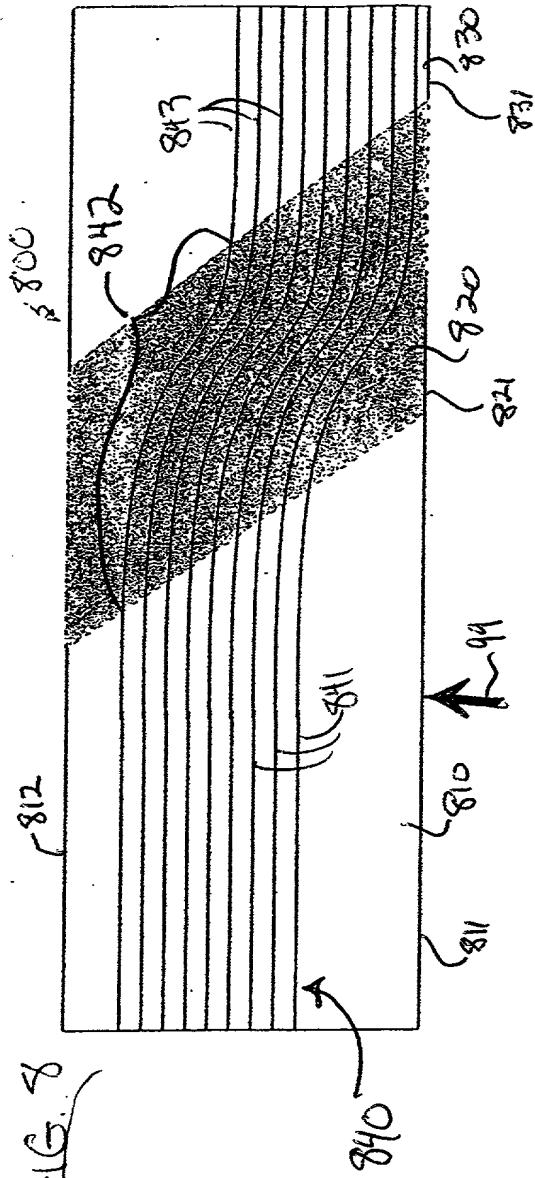
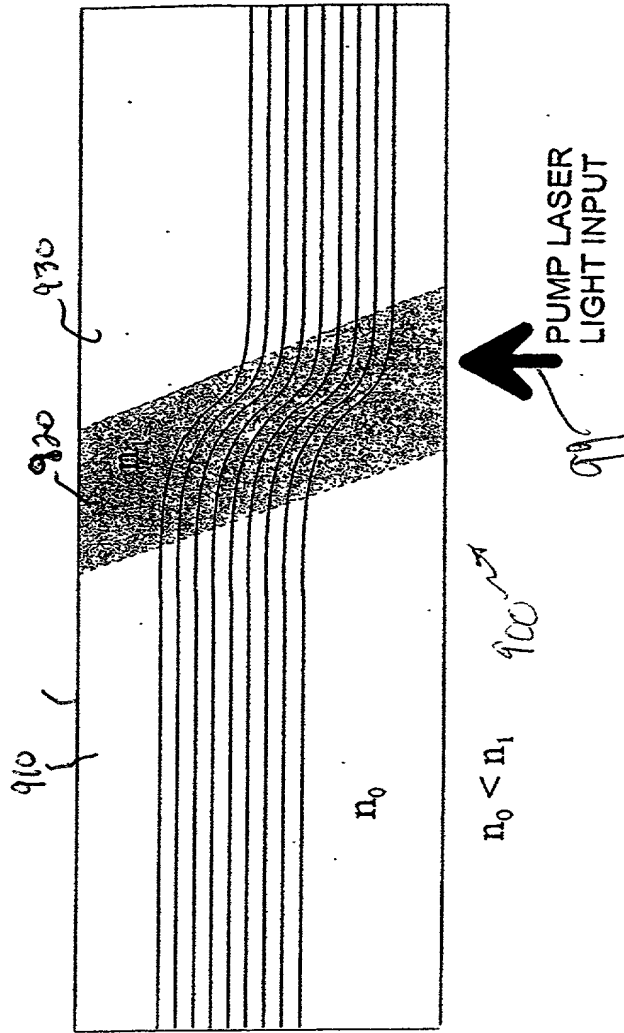


FIG. 9

PUMP LASER INPUTS
1550NM



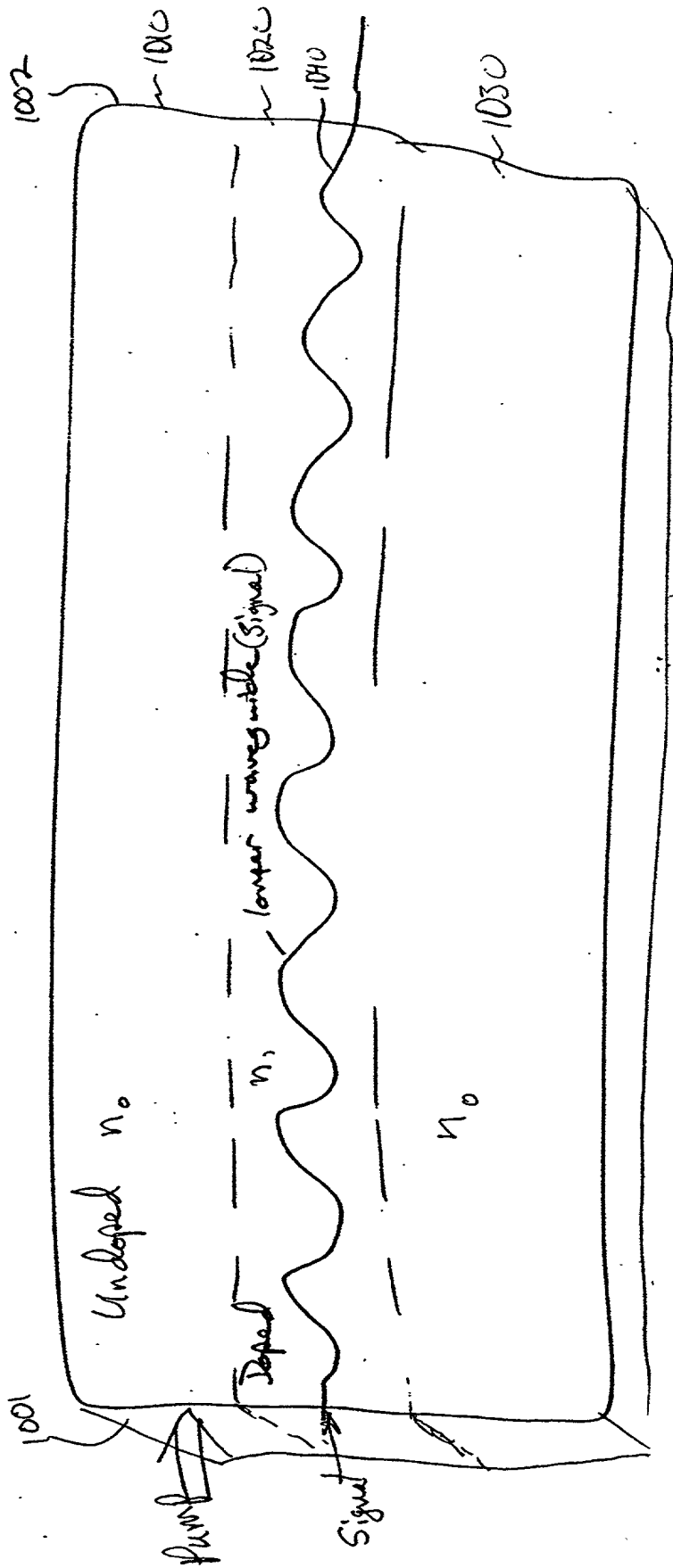
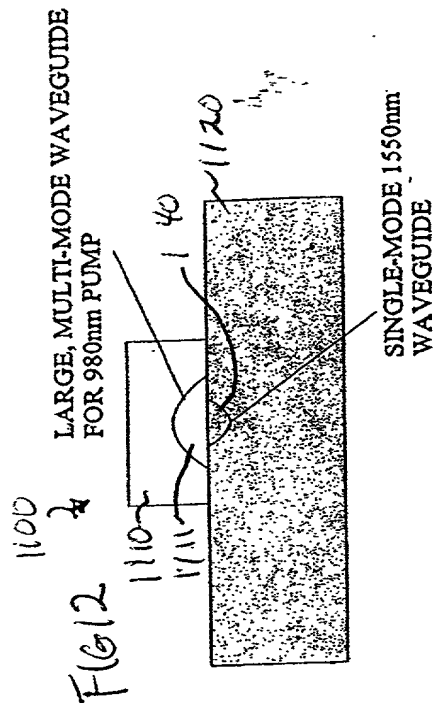
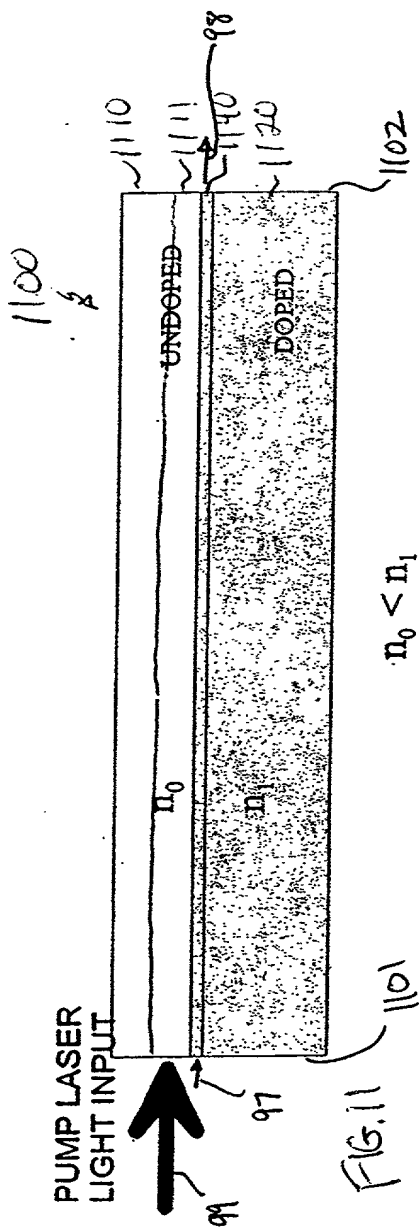
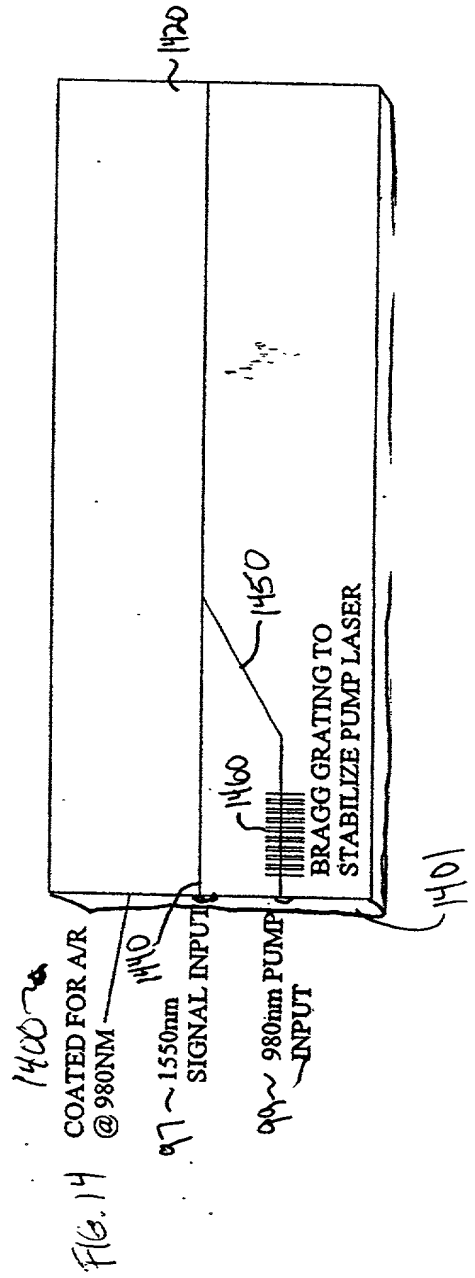
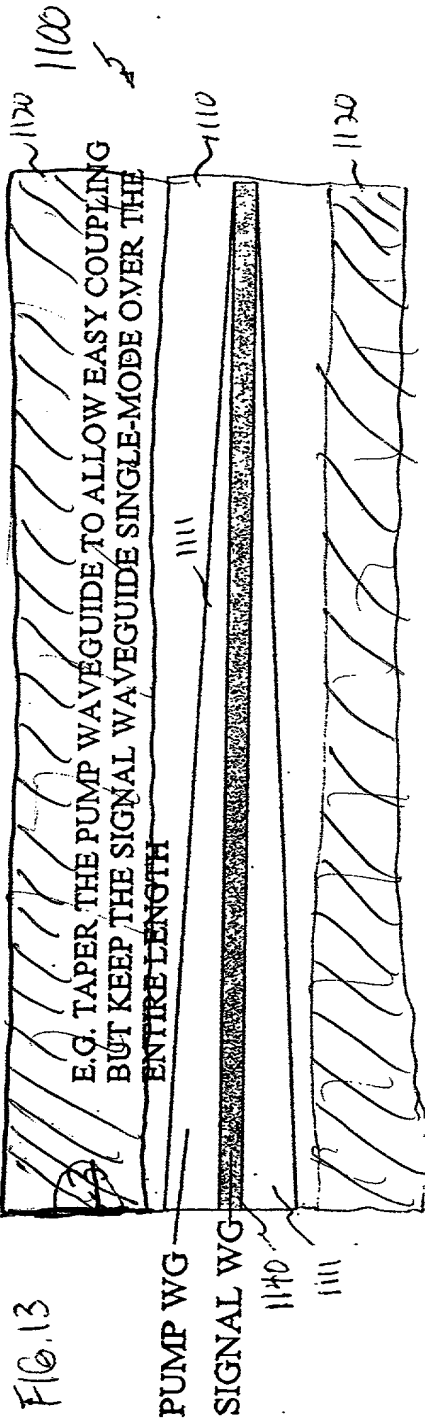
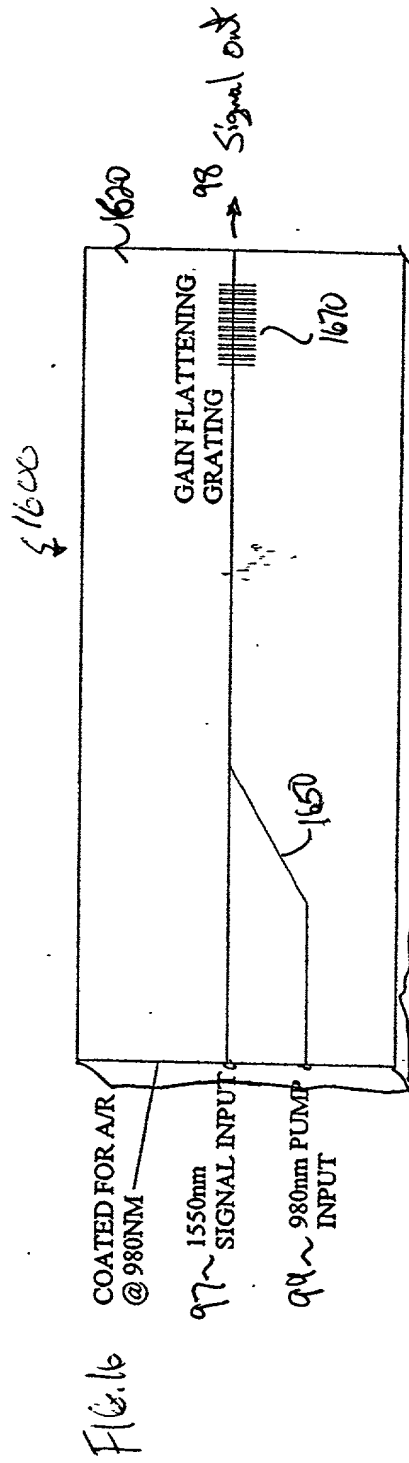
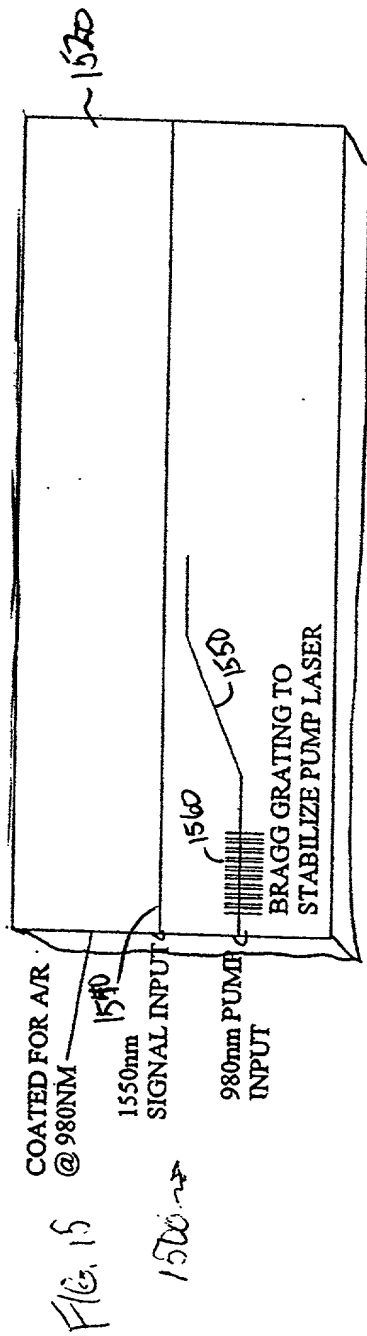
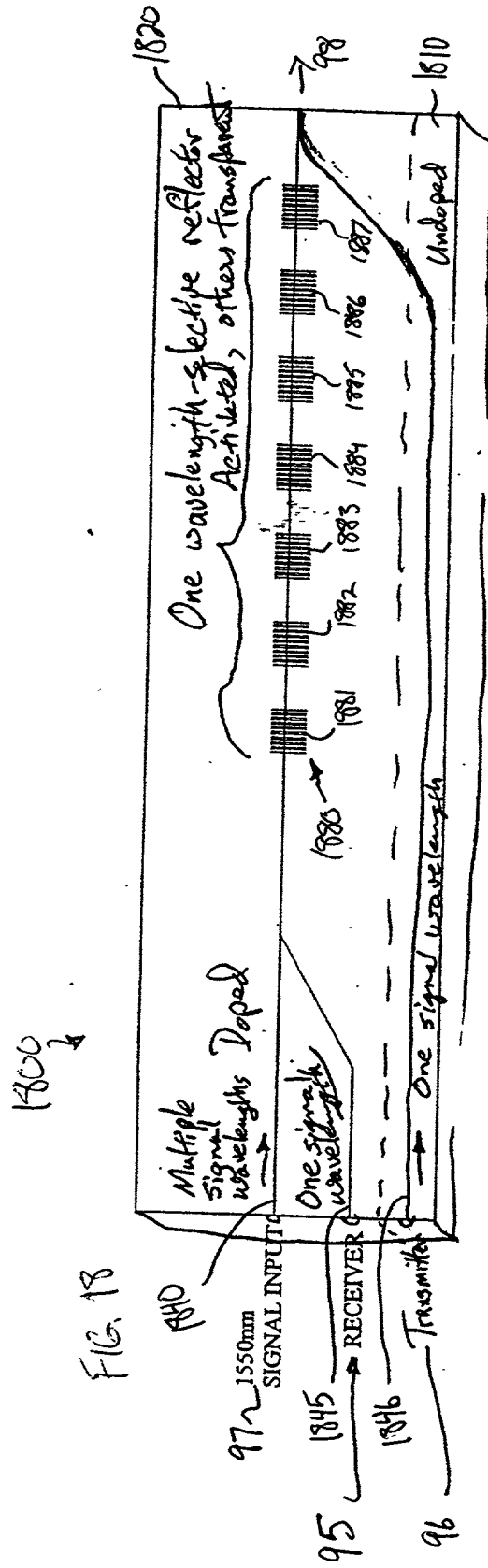
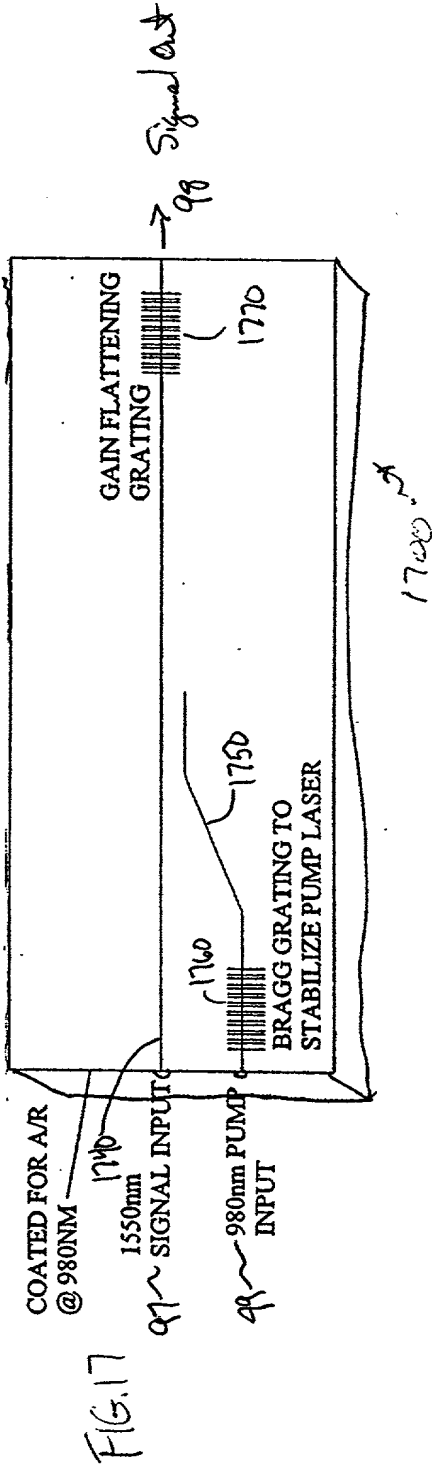


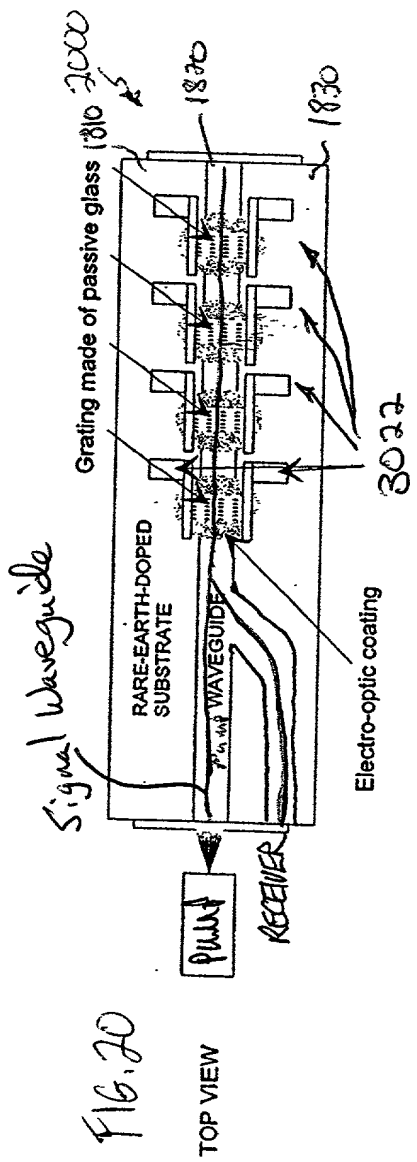
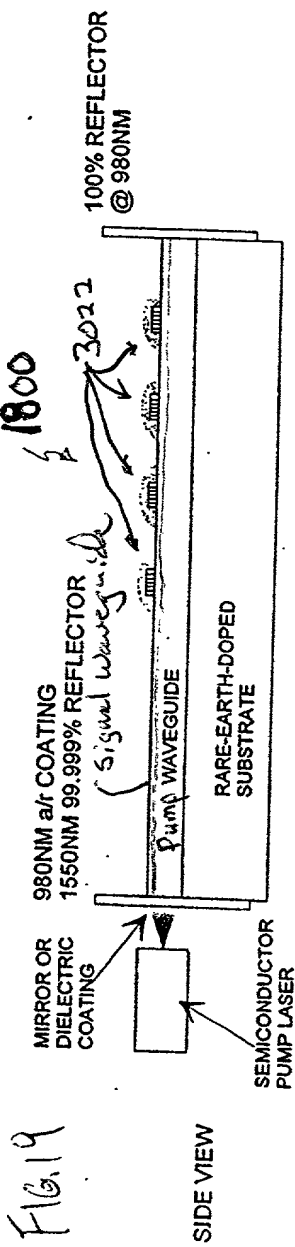
FIG. 10



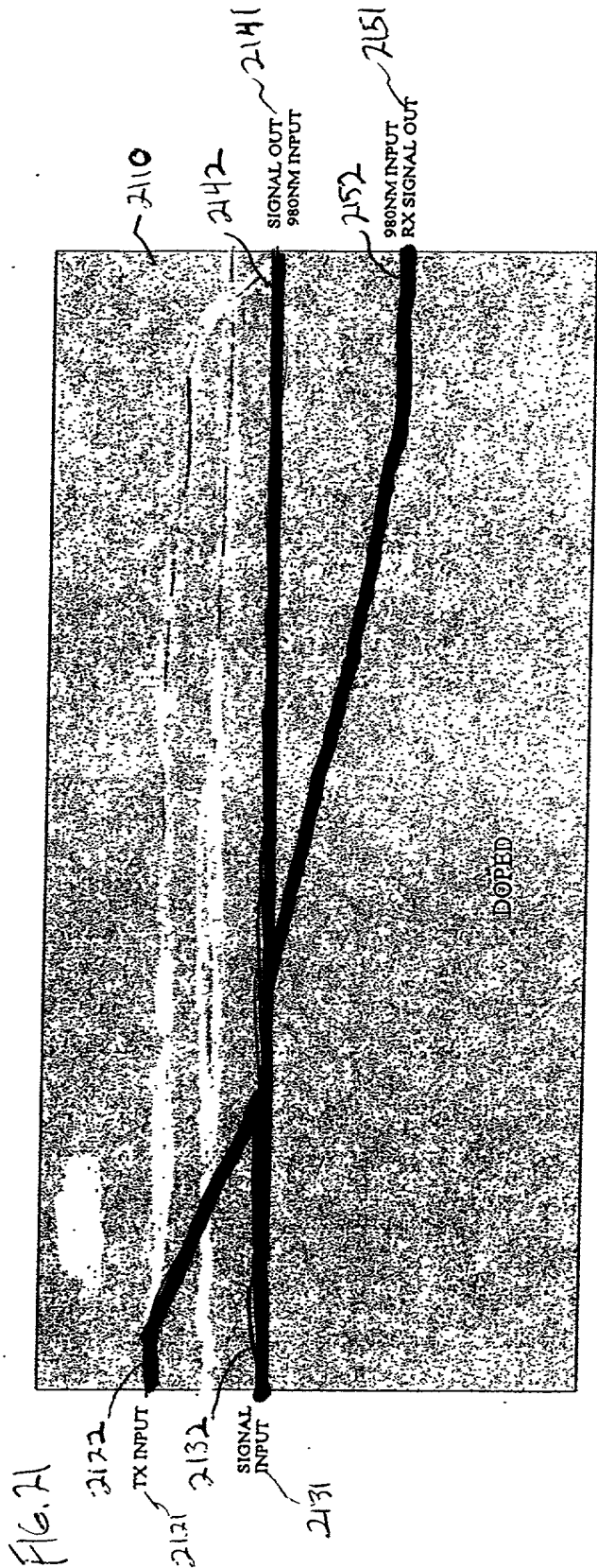




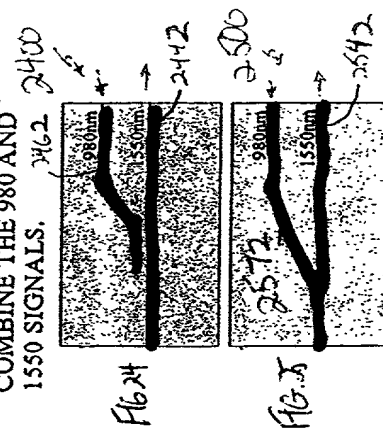
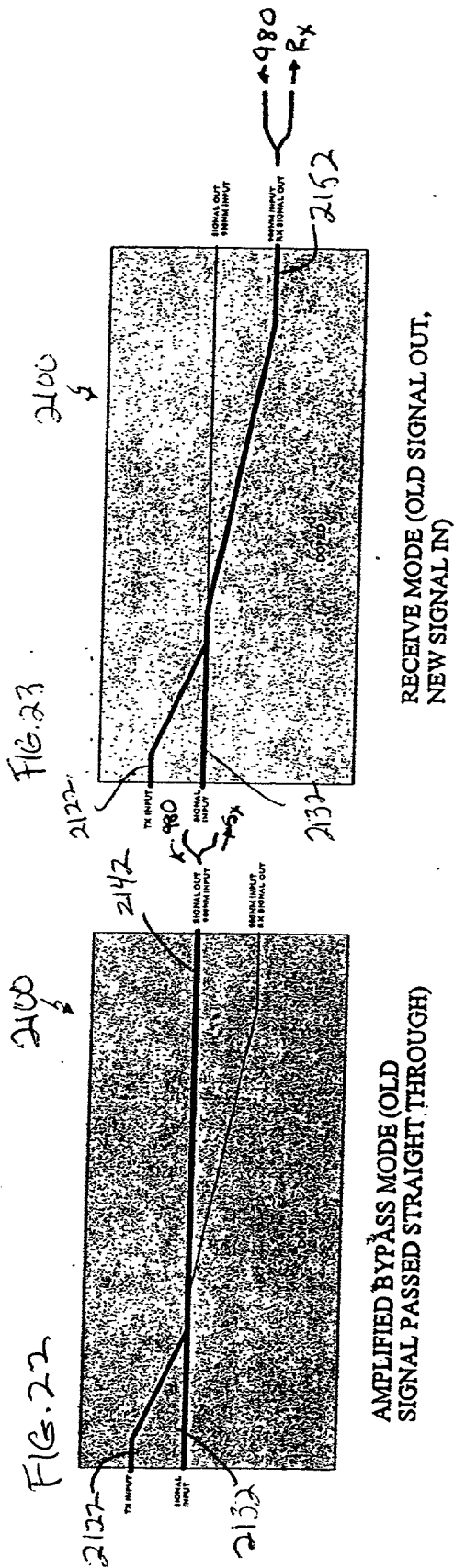




2100 ADD/DROP NODE WITH AMPLIFICATION



USES BOTH THE ATTENUATION AND AMPLIFICATION CHARACTERISTICS OF RARE-EARTH-DOPED GLASS TO ROUTE THE SIGNAL.



ADD/DROP NODE WITH AMPLIFICATION

2600

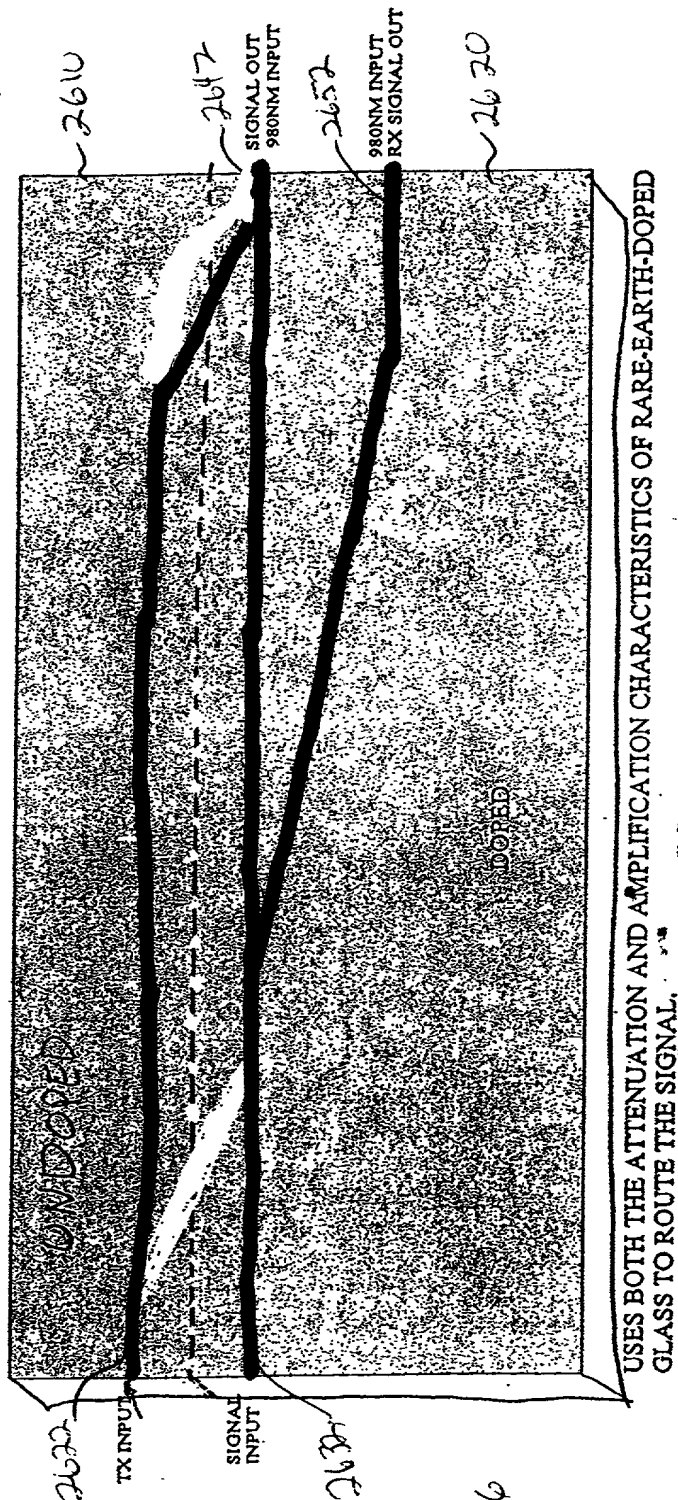


FIG. 26

USES BOTH THE ATTENUATION AND AMPLIFICATION CHARACTERISTICS OF RARE-EARTH-DOPED GLASS TO ROUTE THE SIGNAL.

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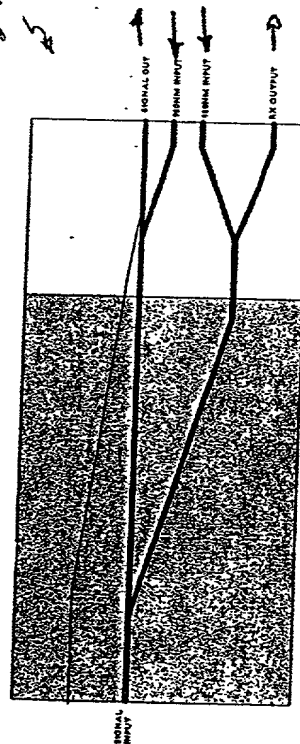
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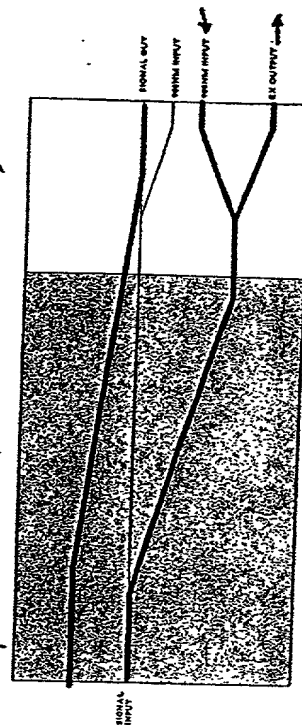
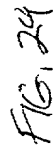
2800

Fig. 27

Fig. 28



AMPLIFIED PASS-THROUGH CONFIGURATION



ATTENUATED PASSTHROUGH AND NEW SIGNAL INJECTED

